

**FCC 13-39**

**Before the  
Federal Communications Commission  
Washington, D.C. 20554**

In the Matter of	)	
	)	
Reassessment of Federal Communications	)	ET Docket No. 13-84
Commission Radiofrequency Exposure Limits and	)	
Policies	)	
	)	
Proposed Changes in the Commission's Rules	)	ET Docket No. 03-137
Regarding Human Exposure to Radiofrequency	)	
Electromagnetic Fields	)	
	)	

To: Office of the Secretary  
Federal Communications Commission  
Washington, DC 20554

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September 2, 2013

TO: The Federal Communications Commission  
RE: Docket No. 13-84 and Docket No. 03-137

1. The first purpose of this letter of concern is to report to you that I have been harmed by Radio-Frequency radiation. Increasingly, since having installed a cordless phone into my home and before that a modem-router with the pulsing wireless WiFi feature constantly on, my heartbeat became more and more unstable. It was my good fortune to learn that the RF pulsing of these devices could be the reason for the aberrant behavior of my heart, about which I had become increasingly alarmed.

2. *I removed the cordless phone* and reinstalled the grounded land phones. I gained the assistance of my broadband internet provider to reset my internet settings to *shut off the wireless function of the router* and I reinstalled ethernet ground cables between the modem-router and computers. I have taken steps to gain cooperation with carrying out the same in the households in which I work as well, to the extent that I can. The end result of these removals of WiFi from my home is that my heartbeat has stabilized noticeably. I am grateful I knew what to do to take charge of this situation; that I could act to eliminate a health impact to my heart that was worsening before it could lead to a serious life-threatening event. I wish that I could control the exposures I am routinely subjected to more thoroughly, but my only recourse to to urge you, at the FCC to take charge of this situation and drastically reduce these emissions across the board, by dropping the limits to where the *science* now says they should be.

3. Non-thermal effects from RF exposures exist. They are potent in their cumulative impact on health.

4. Please understand, that these RF radiations and pulsing wireless WiFi, interfere with the bio-electrical signals that govern our bodily functions. It cannot be otherwise. This interference is the **non-thermal effect of RF exposure** and these effects are potent, just as I have learned directly and personally. The fact that these radiations can and do disrupt Pace-Makers makes clear the invisible character of these emissions: They can and do disrupt **our own** internal 'pace-makers' for all manner of processes. Emitted **24/7** as they are from cell towers, cell phones, cordless phones, modem/routers, baby monitors, pulsing digital utility meters, etc. they are not only disruptive of our life processes, but disruptive of all life processes, such as in the animal and plant kingdoms.

5. More and more people are developing Electrohypersensitivity (EHS). There is only one treatment and remedy for this: *avoidance* of exposure. *This fact alone* means that the FCC's designated exposure limits must be reduced, and reduced hugely. And it means that the public at large must make changes in how it uses and interacts with these WiFi devices and technologies. We don't need to go back to the 'dark ages' before the Internet; not at all. We need to take charge of our connectedness by getting grounded and staying grounded. It can be done. The technology is there to do so and the FCC can assist us in going this direction, with deliberation and urgency.

6. Your FCC decision-making must accord with up-to-date science. In order for it to do so, the contents of the entire **Bio-Initiative Report of 2012** must be the underpinning for it. This contains the serious peer-review of the 1800 scientific studies of the *non-thermal* effects of the radiations, completed in the last five years. The implications of these studies are clear and compelling. A straightforward introduction to the contents of the Report can be found in the Conclusions Section: <http://www.bioinitiative.org/conclusions/>; and for the entire Report: <http://www.bioinitiative.org/>

7. **Section 22** of this Report\* points to the **advisories** that have been given forth by agencies around the world and the contents of these advisories are laid out, including some from within the U.S. The rise in the incidence of many conditions and illnesses that burden every family in our nation *directly parallels* the rise in exposures to RF radiations, where the *pulsing* wireless devices are especially disruptive and destructive to our bodily functions in the widest possible manner affecting everything - and to which we are not designed by nature to adapt. These disruptions involve and lead to Autism Spectrum Disorders, Alzheimer's, tumors, cancer, Blood Brain Boundary permeability, depression, irreparable DNA damage, infertility and reproductive dysfunction, irregular heartbeat, high blood pressure and strokes, thyroid/endocrine disruption, Type 3 diabetes. *After five generations of immersion in equivalent exposures rats can't reproduce.*

\*Please see the end of my letter for the of the Bio-Initiative Report's "**Section 22: Precaution in Action,**" Table of Contents list of **the Advisories issued in the last 5 years.**

8. I want to direct your attention to **two excellent YouTube presentations** which can also open your considerations to *wider bodies of scientific research that uncovers and documents what has been known and validated over and over and over again concerning the harm to human health directly consequent to exposures to these RF radiations:*

1) "The Truth About Smart Meters" by cTVsantacruz (California public television) of a Freedom Forum on the subject, 1:53:42min. <http://www.youtube.com/watch?v=p-nmaYU6kek&list=PL63B0143B3C354D88>

This includes a comprehensive introduction to the biological effects of MW-RFs and WiFi, given by **Dr. Karl Maret - M.D. and BioMedical Engineer**. Please be certain to account for the images presented of the penetration into the brains of children as much deeper than in large adult males, plus other images from studies conducted - lasting abnormalities in the brain after only 2 hours of exposure to cordless phone use.

2) "The Truth About Smart Meters" by CSTinBC, 1:08:15. <http://www.youtube.com/watch?v=v4HsxNG2-4M> A presentation (that is not just about meters) by Brian Thiesen on *the bio-electrical nature of our physical body and of all life* and the extensive disruption caused by MW/ RF radiation, especially by pulsing WiFi devices. Many documents are presented that show what the military *has known for decades* about the terrible price paid by those who are exposed to these radiations, both short term and cumulatively.

9. *In some places in the world WiFi is being taken OUT of schools. We in the U.S. are installing it. This is not wise. This is not science-based, not based on recognition of the true biologically-active impacts of these radiations.*

10. *ALSO PLEASE NOTE WITH ALL DUE ATTENTION that cell phones and cordless phones are held in **direct** contact with the head.* The RF radiation limits are woefully out-of-touch with the realities of both how we typically use these technologies and the massive multiplying effect of the flooding of our tissues with 24/7 radiation from manifold and exponentially increasing sources of this radiation, the 'Smart' grid network submerging every living thing in these emissions. The allowed limits relative to the identified non-thermal effects must be lowered drastically. The recommendations of these advisories, including the BioInitiative Report of 2012 are excellent places to lay the responsible foundation that is needed for these limits.

***"Public safety standards are 1,000 – 10,000 or more times higher than levels now commonly reported in mobile phone base station studies to cause bio-effects."***

***(<http://www.bioinitiative.org/conclusions/>)***

11. In addition I ask you to carry out your FCC duties on behalf of our too-little informed public, to protect our wellbeing by making a direct request to the EPA to use its taxpayer-funded resources and experts at its National Risk Management Research Laboratory to conduct ALL of the cost analyses you have asked for, toward fulfilling FCC responsibilities in determining limits concerning RF radiations. It is also your duty under the Scenic Hudson decision to create a complete record and consider my Comment seriously, to fulfill your obligation to represent the public interest, oversee and protect our well-being, which is also your obligation under NEPA. I have been harmed by exposures to these radiations. I ask these radiations and these technologies be redirected to assure drastically-reduced amounts of exposure.

e.g. There is NO necessity that routers constantly emit WiFi with no easy off button when we CAN connect by ethernet. Cordless phones when not in use do NOT need to be emitting WiFi constantly either, nor do they need to emit the egregiously extreme intensities that they do. We do NOT need to be in 'contact' 24/7. And my electric metering does NOT need to be constantly emitting WiFi pulsations many times per minute 24/7 when my electric usage only needs collection *once* every two months - *exposures which are entirely unnecessary and against both public and private will, being carried out by force by those installing these meters.*

12. I also ask you to advocate that Congress direct the EPA to establish the necessary biologically-based RF radiation safety limits, and that Congress provide the budget and resources to carry out that task.

13. And lastly, I ask you to place a moratorium on any additional installations of all such wireless devices while biologically-based safety limits are developed and established. We must take this critical moment to regroup and set a protective and healthy course ahead for ourselves. Your role is key. Please don't fall asleep on the job. Those of us who are already developing EHS are dependent on you to make sure that we can also live amongst our fellows, in an environment that is not flooded as it is with RF and wireless emissions making us ill.

Sincerely,

*Kate Reese Hurd*  
High Falls NY 12440

TABLE OF CONTENTS from the **Bio-Initiative Report's "Section 22: Precaution in Action" - the Advisories issued in the last 5 years** (my highlights in bold and → ).

<http://www.bioinitiative.org/>

I. Introduction

II. Publications and Health Agency Advisories (2007 – 2012)

→ **The BioInitiative Report (2007)**

European Environment Agency (2007)

European Parliament (2007)

European Parliament (2008)

→ **Pathophysiology Journal Publication - Special Issue on EMF (2009)**

The European Environment Agency Director's Statement (2009)

European Parliament (2009) Seletun Statement (2009)

Collegium Ramazzini Publication (2010) European Environment Agency (2011)

Council of Europe (2011)

European Environment Agency (2011)

→ **US General Accounting Office (2012)**

European Environment Agency- Late Lessons II - Mobile Phone Chapter (2012)

III. Expert Research Group and Physicians' Advisories (2007 – 2012)

→ **American Academy of Environmental Medicine (2012)**

→ **International Doctors' Appeal (2012)**

→ **American Academy of Pediatrics (2012)**

IV. Local and National Country Actions (2007 – 2012)

City of Brussels Principality of Liechtenstein (2008)

Italy – Autonomous Province of Bolzano - South Tyrol (2009)

Austria – Ministry of Health (2010)

France (2010)

Austria – Austrian Medical Association (2012)

Russian National Committee on Non-Ionizing Radiation (2011 and 2012)

V. InternationalHealthAgencyAction

→ **WHO International Agency for Research On Cancer – Formal Classification (2011)**

VI. References

VIII. Appendices

A: European Parliament Recommendation (2008)

B: European Parliament Resolution (2009)

C: American Academy of Environmental Medicine (2012)

D: American Academy of Pediatrics (2012)

E. Russian National Committee on Non-Ionizing Radiation (Mobile Phones and Children - 2011)

F. Russian National Committee on Non-Ionizing Radiation (To Regulate WI-FI in Schools -2012)"